

FIG. 1

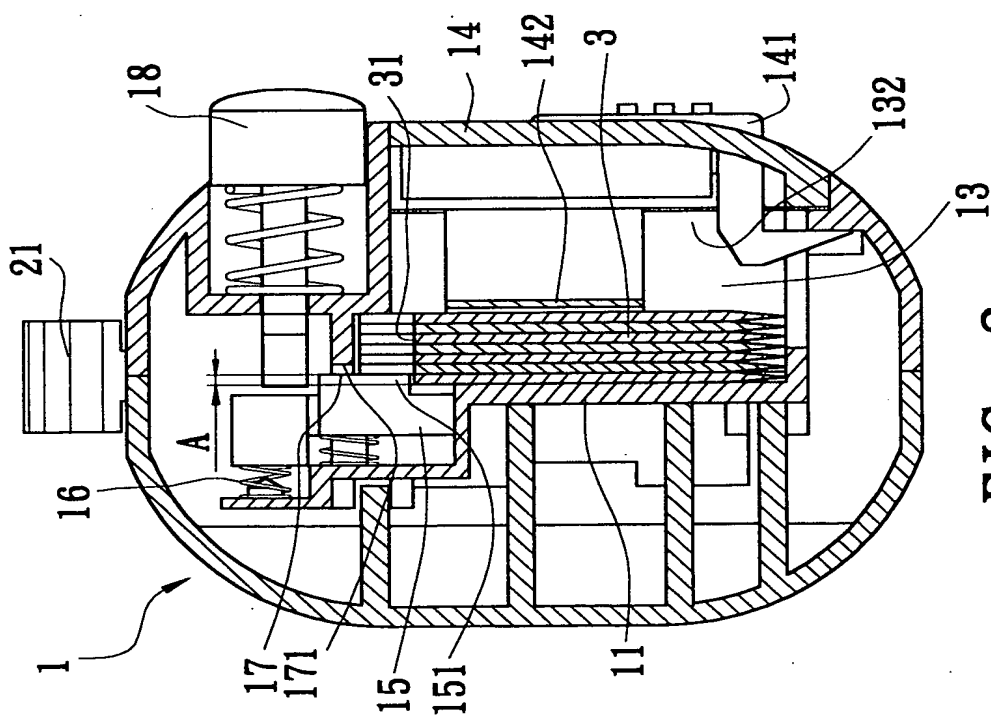


FIG. 3

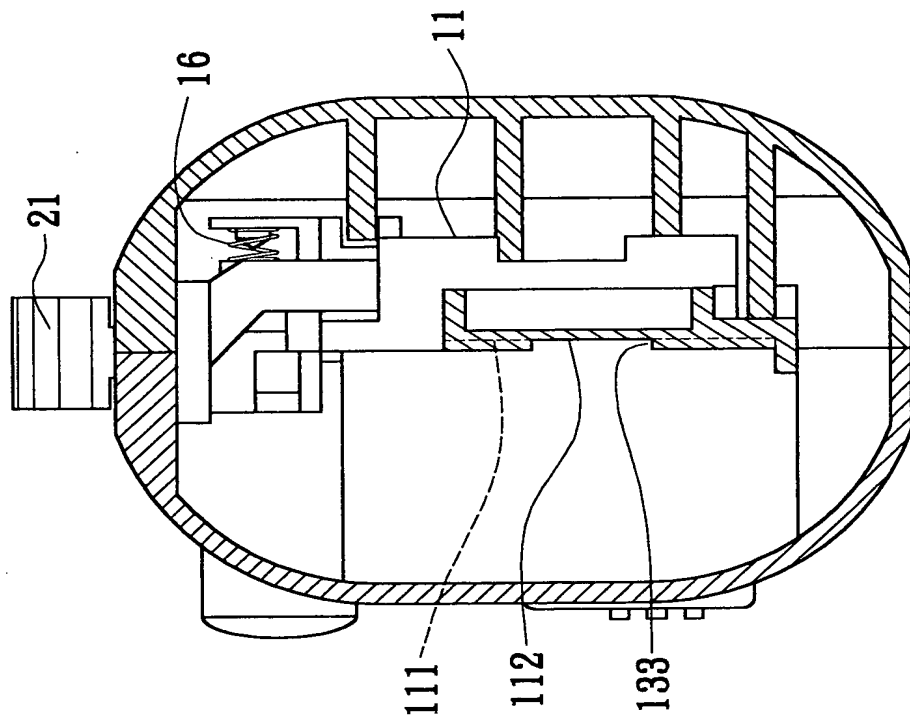


FIG. 4

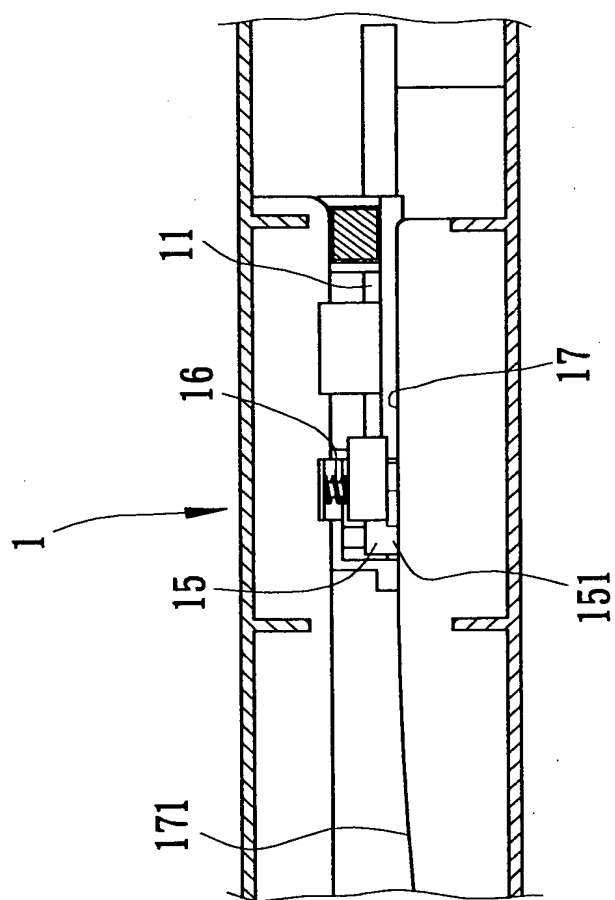


FIG. 5

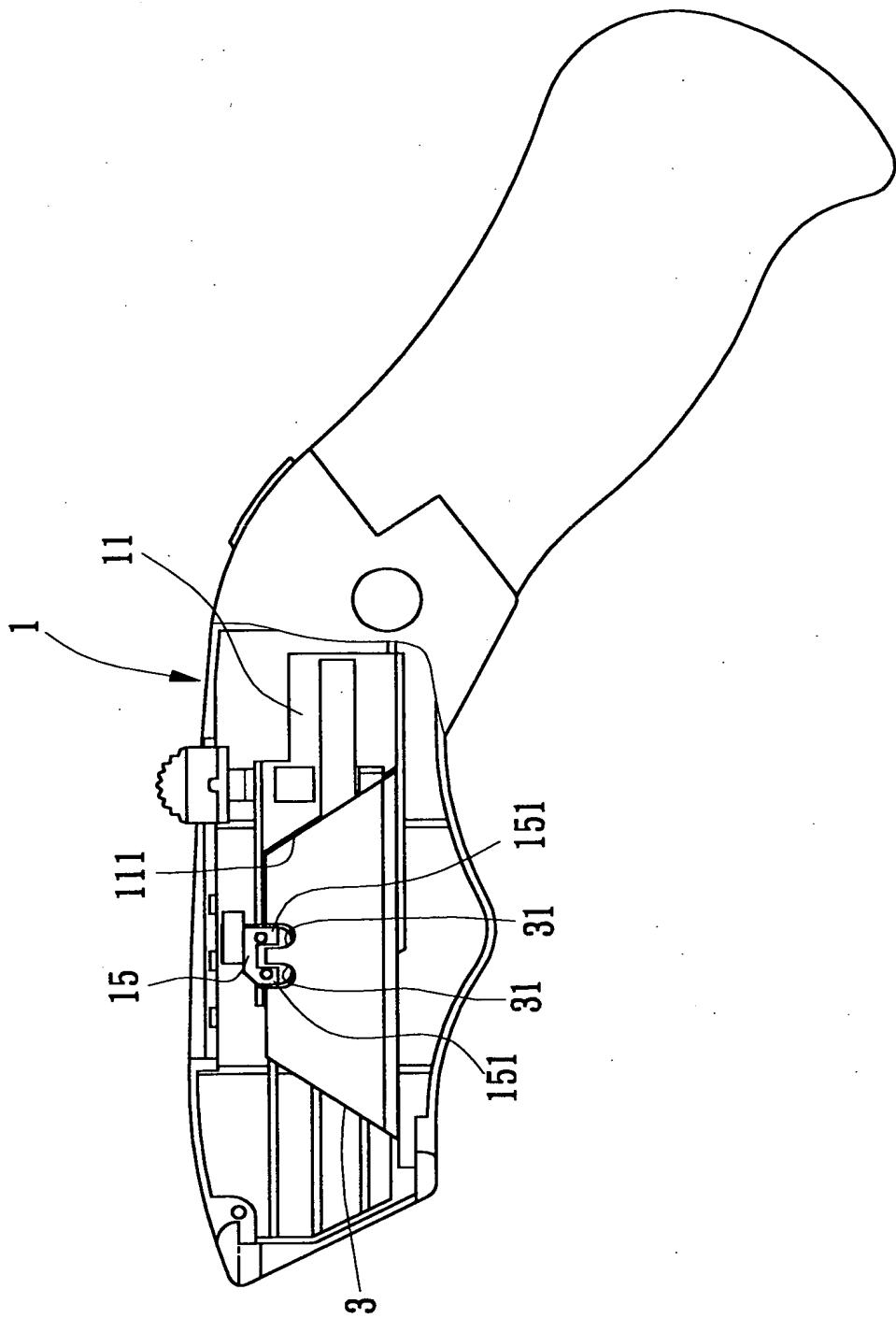


FIG. 6

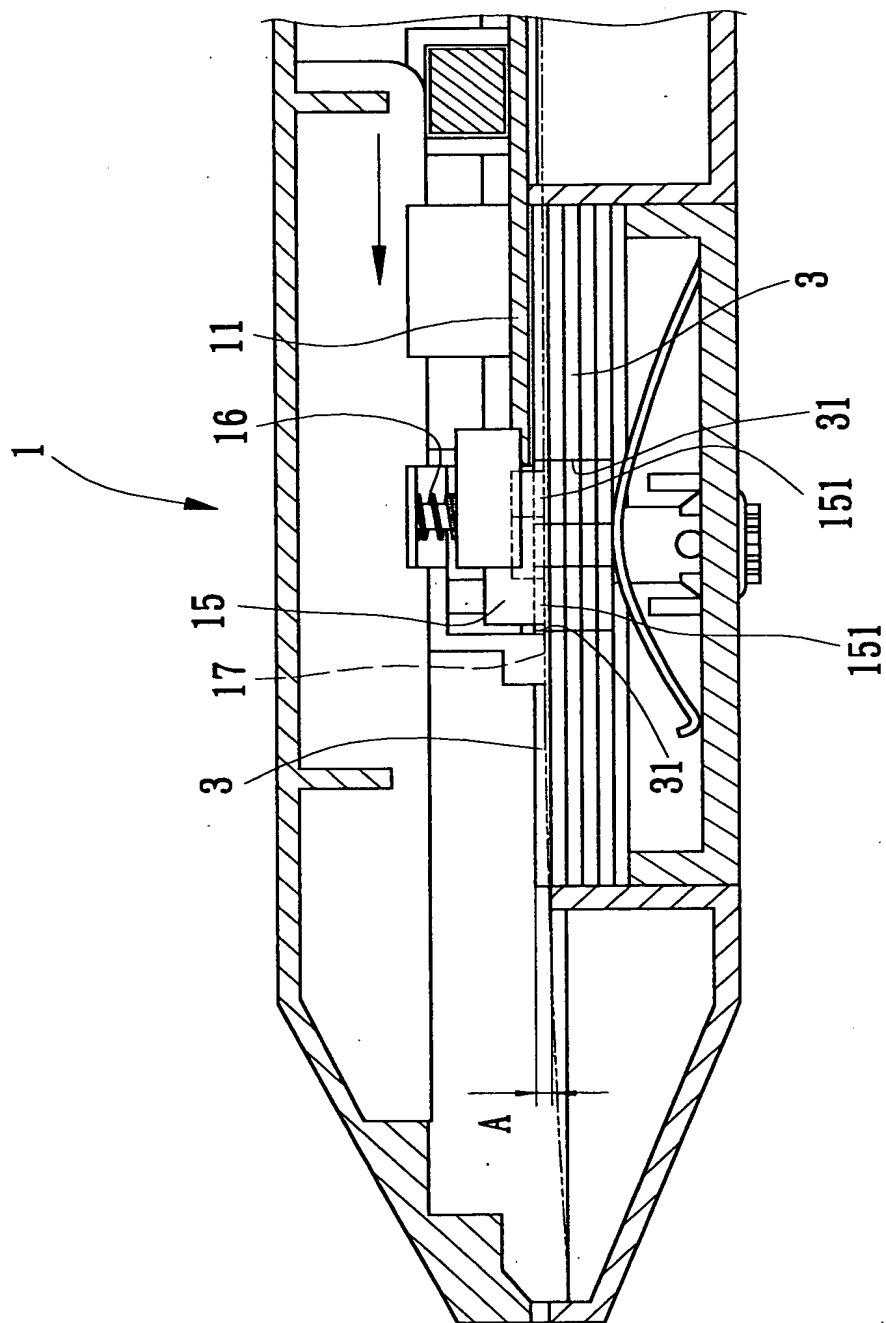


FIG. 7A



FIG. 7B

FIG. 8 is a cross-sectional view of the device in a closed position, showing the internal components and the sealing mechanism.

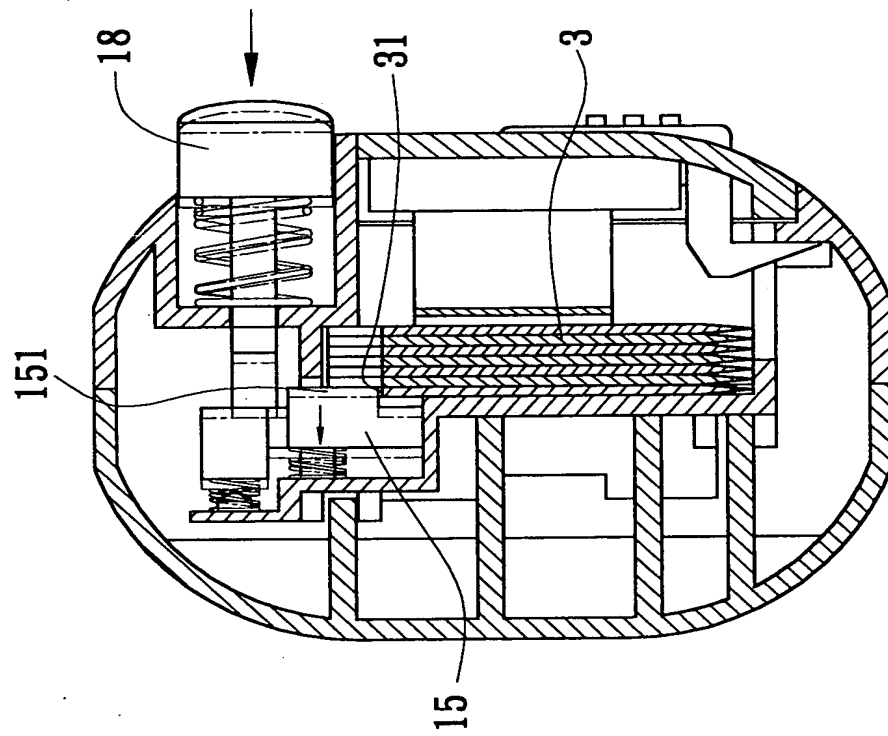


FIG. 8

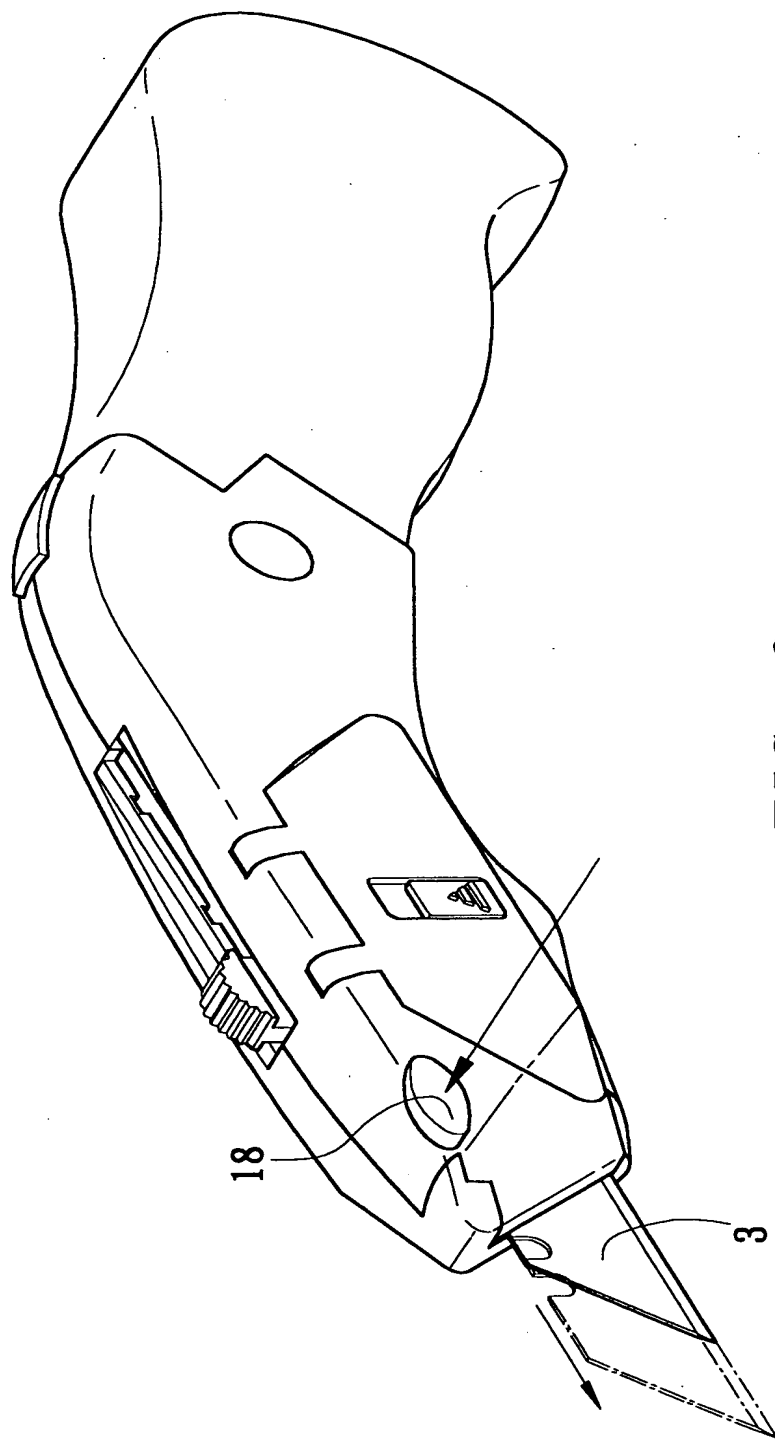


FIG. 9

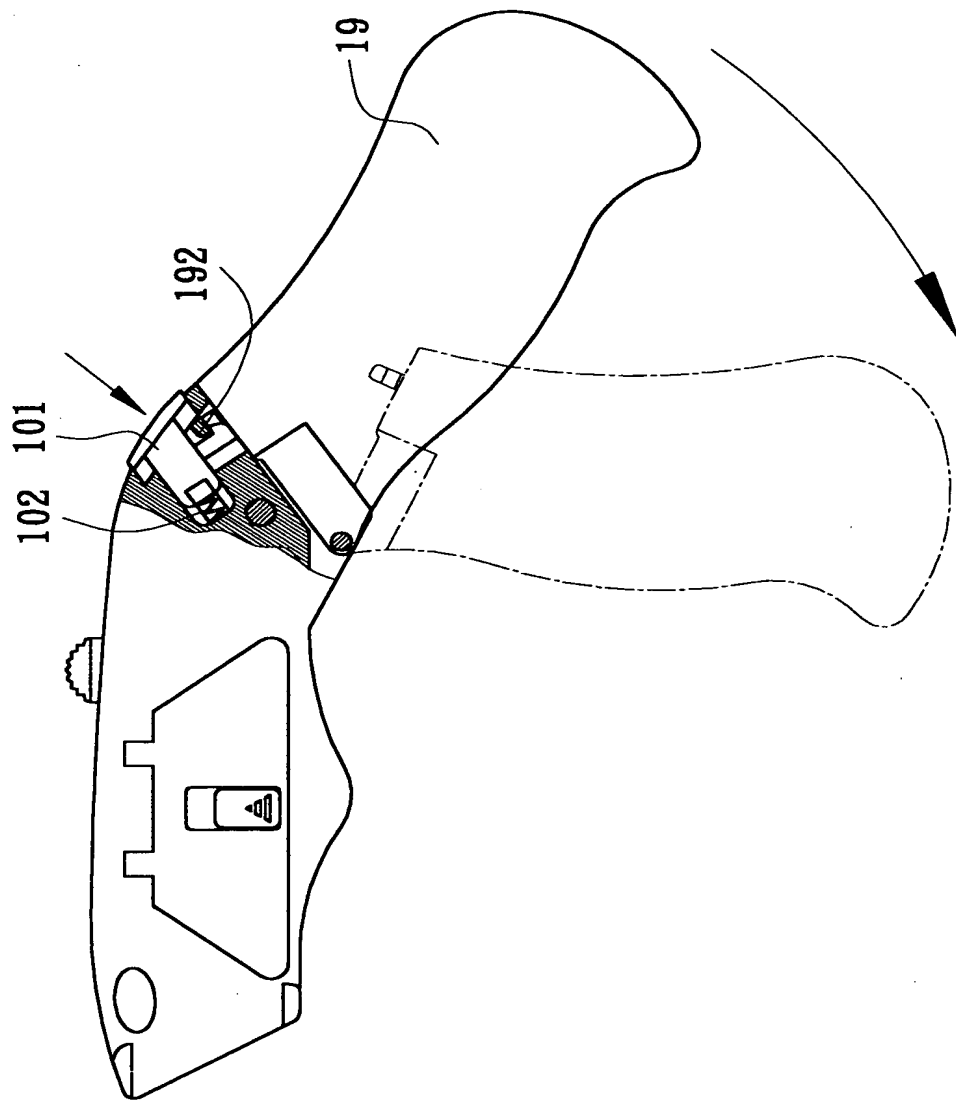
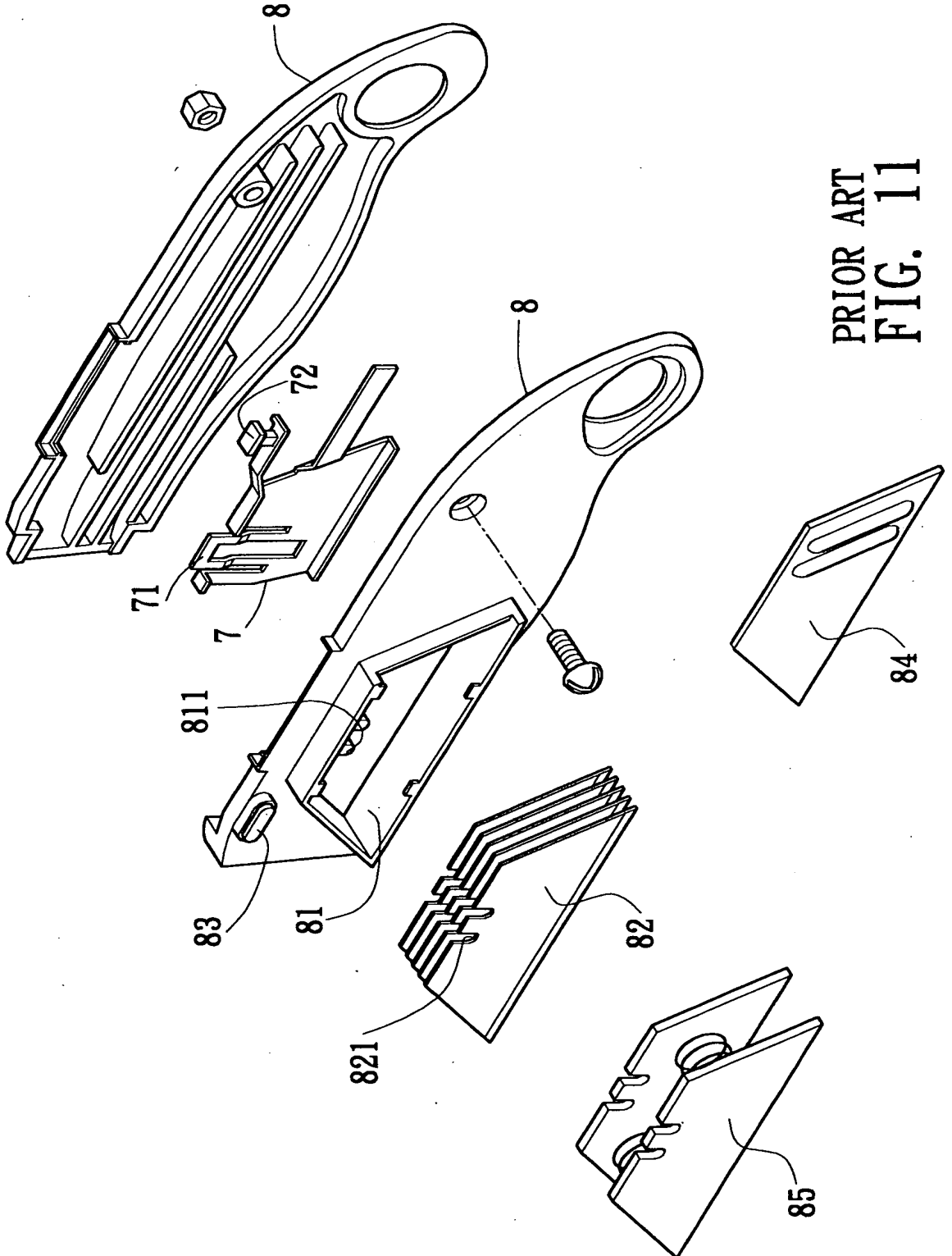
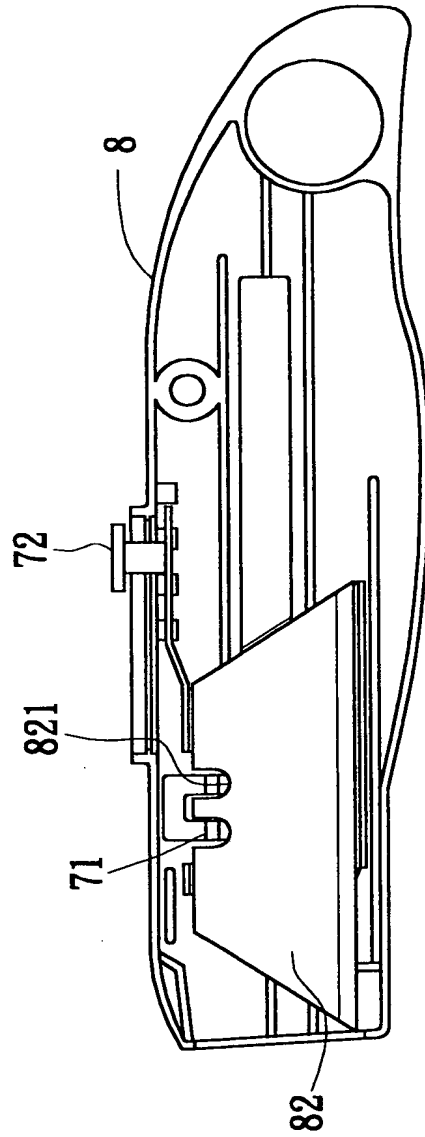


FIG. 10

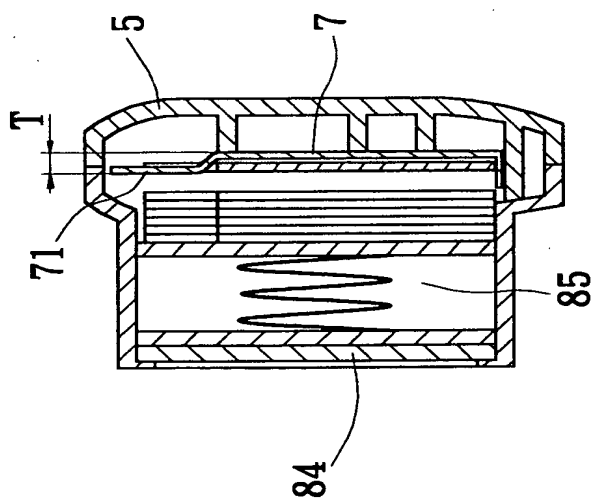


PRIOR ART
FIG. 11



PRIOR ART
FIG. 12

FIG. 13 is a cross-sectional view of a prior art device, showing a cylindrical housing 84 with a central cavity 85. A piston 71 is positioned within the cavity, and a spring 7 is located between the piston and the bottom of the cavity. The piston is connected to a rod 5, which extends through the top of the housing. A seal 71 is located at the top of the piston, and a dimension T is indicated between the seal and the top of the housing.



PRIOR ART
FIG. 13